

**Evacuated bottle draining secretions from wounds - is connected to non-evacuated, sterile container by pipe fitted with stop valve**

**Publication number:** DE3931584  
**Publication date:** 1991-04-04  
**Inventor:** KRAYER ROLF (DE); KRAYER PAUL (DE)  
**Applicant:** KRAYER ORIPLAST GMBH (DE)  
**Classification:**  
- **international:** **A61M1/00; A61M1/00; (IPC1-7): A61M1/00**  
- **European:** A61M1/00A2  
**Application number:** DE19893931584 19890922  
**Priority number(s):** DE19893931584 19890922

**Report a data error here**

**Abstract of DE3931584**

Secretions are exhausted from a wound by a tube which is connected to an evacuated bottle (1). In order to vary the degree of vacuum in the bottle it is connected to a non-evacuated, sterile container (9, 10) by a tube (11) fitted with a stop valve. The sterile container may be formed as an integral part of the evacuated bottle, with a valve fitted between the two parts. Clamping clips may be used instead of stop valves. **ADVANTAGE** - Facility for reduced vacuum without sterility impairing.

---

Data supplied from the **esp@cenet** database - Worldwide



Europäisches  
Patentamt  
European Patent  
Office  
Office européen  
des brevets

Description of DE3931584

Print

Copy

Contact Us

Close

## Result Page

Notice: This translation is produced by an automated process; it is intended only to make the technical content of the original document sufficiently clear in the target language. This service is not a replacement for professional translation services. The esp@cenet® Terms and Conditions of use are also applicable to the use of the translation tool and the results derived therefrom.

The invention relates to an evacuated suction bottle suction of secretions from Wundhöhlen, with a terminal for a pressure indicator and a port for a suction hose.

Such suction bottles are delivered before-evacuated with a certain predetermined vacuum to the user, whereby the pressure indicator indicates the vacuum in the suction bottle.

In many cases it is however desired, the suction of the secretions with a smaller vacuum, i.e. with smaller negative pressure to suck off and thus more carefully. It is known to reduce before use of the before-evacuated suction bottle the negative pressure in the suction bottle by the fact that the suction line becomes briefly opened, so that air can penetrate the vacuum reduced into the suction bottle and.

This method has however the disadvantage that into the suction bottle not-sterile air penetrates, whereby a risk of infection for the patients given is.

The object of the invention consists therefore of suggesting a suction bottle to that initially mentioned type a vacuum weakening the possible, whereby the sterility given remains.

This object becomes thereby dissolved that the suction bottle has an other port, that over a lock offable conduit o.dgl. with at least a not evacuated, sterile container connected is.

That is favourable and/or. the containers with the suction bottle connected. Preferably is that and/or. the containers integral with the suction bottle.

With a favourable embodiment the containers have different volume. Preferably the containers are star shaped disposed at the suction bottle.

In the conduits between suction bottle and container cheque valves are disposed favourably in each case. Preferably the conduits are formed as tube, which are lock offable by hose clips in each case.

The suction bottle and the containers from transparent plastic blow molded are favourable.

An embodiment of the invention is in the designs shown. Show:

Fig. 1 the suction bottle according to invention in side view and

Fig. 2 the suction bottle in plan view.

After the Fig. 1 and 2 has a suction bottle (1) with circular cross section a port (2) (Fig. 2) for a suction hose (3) (Fig. 1), which is lock offable by a hose clip (4). The suction bottle (1) furthermore has a pressure indicator (5) with two pivotable indicator staffs (6), those on an indicator scale (7) the size of the vacuum and/or. the negative pressure in the suction bottle (1) indicate.

▲ top

Like the Fig. 1 and 2 continues to show, is integral with the suction bottle (1), manufactured in the Blasverfahren from transparent plastic, over bars (8) each other diametric opposite container (9) and (10) connected, which are not evacuated.

The containers (9 and 10), which different cross section exhibit and different volumes have are, in each case over tubes (11) with other port (12) of the suction bottle (1) connected, whereby in each case the tubes (11) are lock offable by hose clips (13).

Now if a smaller vacuum becomes the more careful suction of the secretions required with the application, then a hose clip (13) becomes a not evacuated container (9) and/or. (10) opened, so that due to the negative pressure in the suction bottle (1) from the not evacuated container (9) and/or. (10) Air sucked becomes, so that the negative pressure in the suction bottle (1) weakens itself. By the choice of the corresponding container (9) and/or. (10) with different volumes thus the desired negative pressure can become set on simple manner. It is also possible to open several containers.

There by the sterilization of the suction bottle (1) together with the containers (9) and (10) also the air sterile located in the not evacuated containers is, is also the air penetrating into the suction bottle (1) after opening a hose clip (13) sterile.